



LABORATORY HIGH SPEED CENTRIFUGE BET-3101



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SOIL pF CURVE CENTRIFUGE

The soil pF-curve is determined by the relationship between soil suction, volume-weight and gravimetric water content. With these three elements, thus gaining a highly accurate soil water characteristic curve, or pF-curve. Generally, the soil water characteristic curve is measured through methods such as the pressure membrane (chamber) and the centrifuge. The centrifuge method is widely used in fields like soil water dynamics simulation, meteorology and climatology, soil geography, hydrology, and agricultural science and technology as it is easier to operate and less time-consuming, and has a wider measurable suction range.



SPECIFICATIONS

Model	BET-3101
Max capacity	4x100ml
Max RCF	14,758xg
Max speed	10,000r/min
Measurement range	pF 2.0-4.2 (0.1 bar-15 bar)
Samples	4/time
Speed accuracy	±30r/min (customizable, multiples of 10)
Number of running programs	16
Control and drive system	High torque variable frequency AC motor, microcomputer control
Compressor	Imported fluorine-free refrigeration compressor unit and eco-friendly refrigerant R404a
Temperature control range	-20°C~+40°C
Temperature control accuracy	±1°C
Timer range	1min~99h59min59s, with continuous centrifugation and instantaneous centrifugation
Total power	4.0kW
Power supply	AC220V/50Hz/30A
Noise	≤65dB (A)
Weight	240kg
Dimensions (L x W x H)	710mmx910mmx950mm
Alt Name	Soil pF Curve Centrifuge

ITEMS INCLUDED

No	Name	Description
1	Soil dehydrating rotor	Rotor capacity: 4x100ml Max RPM: 10,000r/min Max RCF: 14,758xg Container dimension: φ50x51mm Number of dehydrating containers: 4



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Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada
Email: info@biolabscientific.com | Website: www.biolabscientific.com